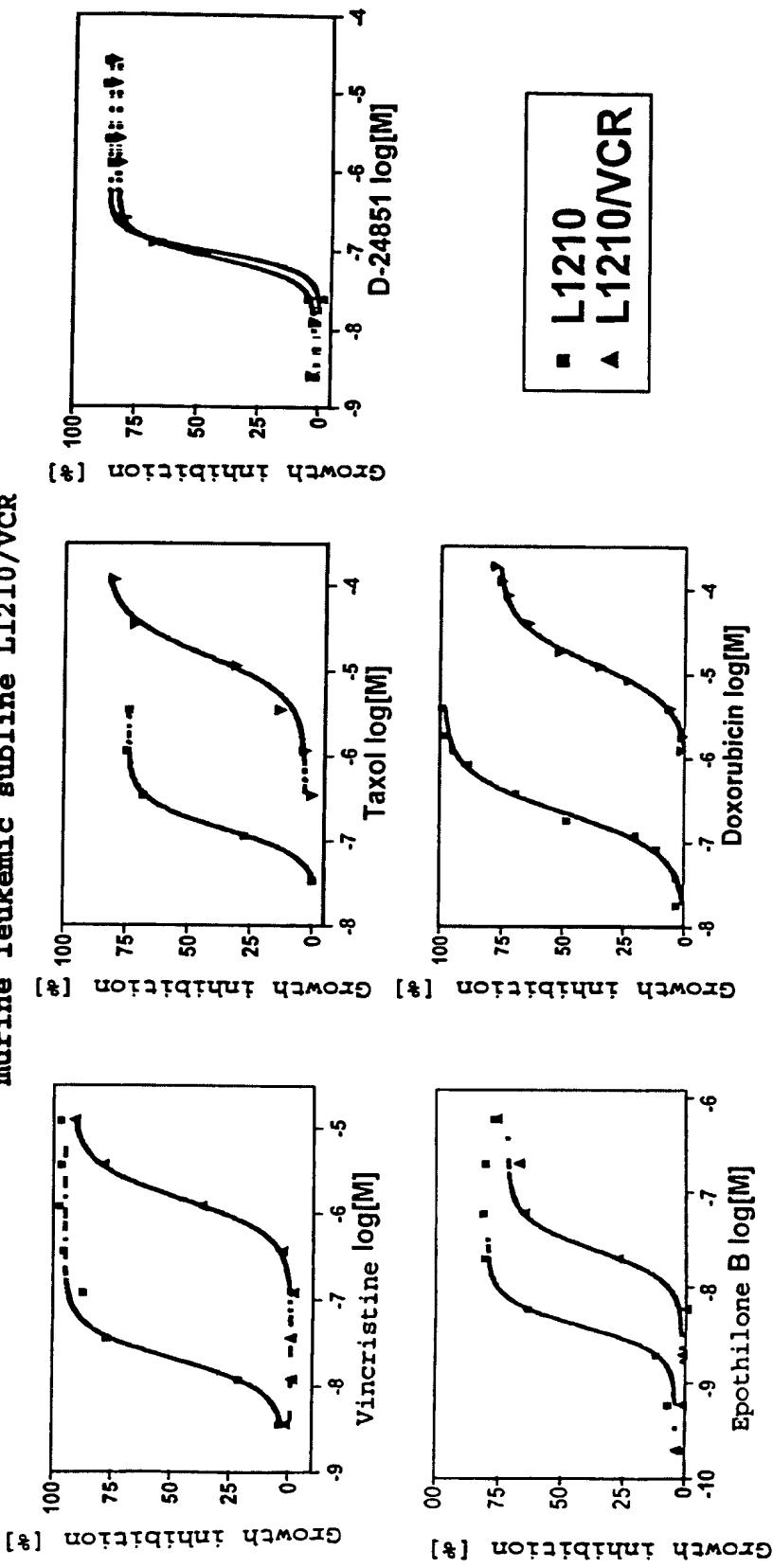


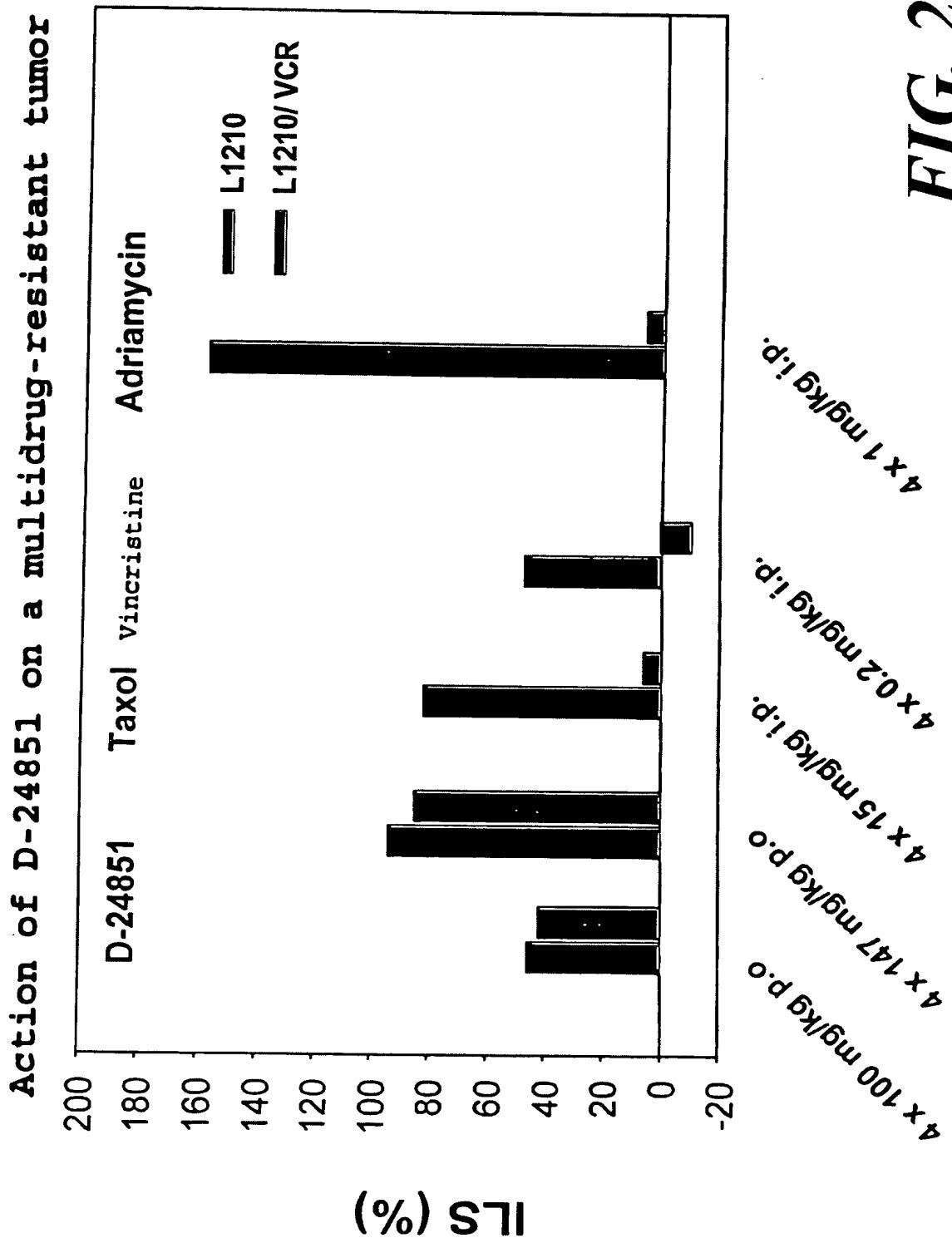
**Cytotoxic action of D-24851 against MDR
murine leukemic subline L1210/VCR**



- In contrast to Taxol, doxorubicin, vincristine or epothilone B, D-24851 has the same cytotoxic activity against the MDR mouse leukemic subline L1210/VCR as against the normal L1210

FIG. 1

FIG. 2



Influence of D-24851 on the multidrug-resistant murine
leukemia L1210 (dose 10% of the LD₅₀)

	Dose (mg/kg)	L1210	L1210/NCR	ILS %	ILS %
D-24851	4 x 100 p.o.	46	42	42	42
	4 x 147 p.o.	94	85	85	85
Adriamycin	4 x 1 i.p.	158	6	6	6
	4 x 15 i.p.	82	6	6	6
Taxol	4 x 0.2 i.p.	47	-11	-11	-11
	4 x 0.2 i.p.	47	-11	-11	-11

FIG. 3

FIG. 4

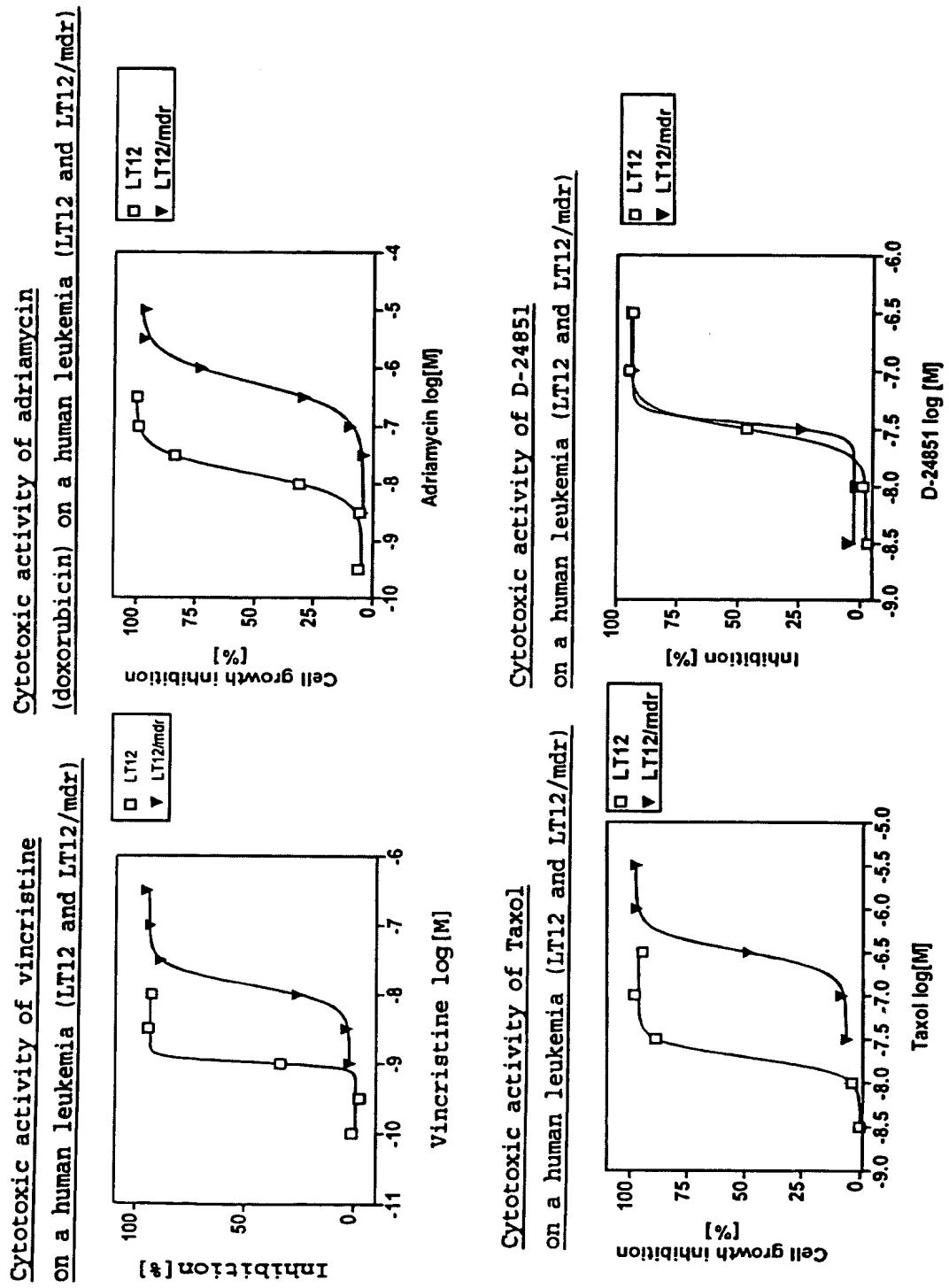
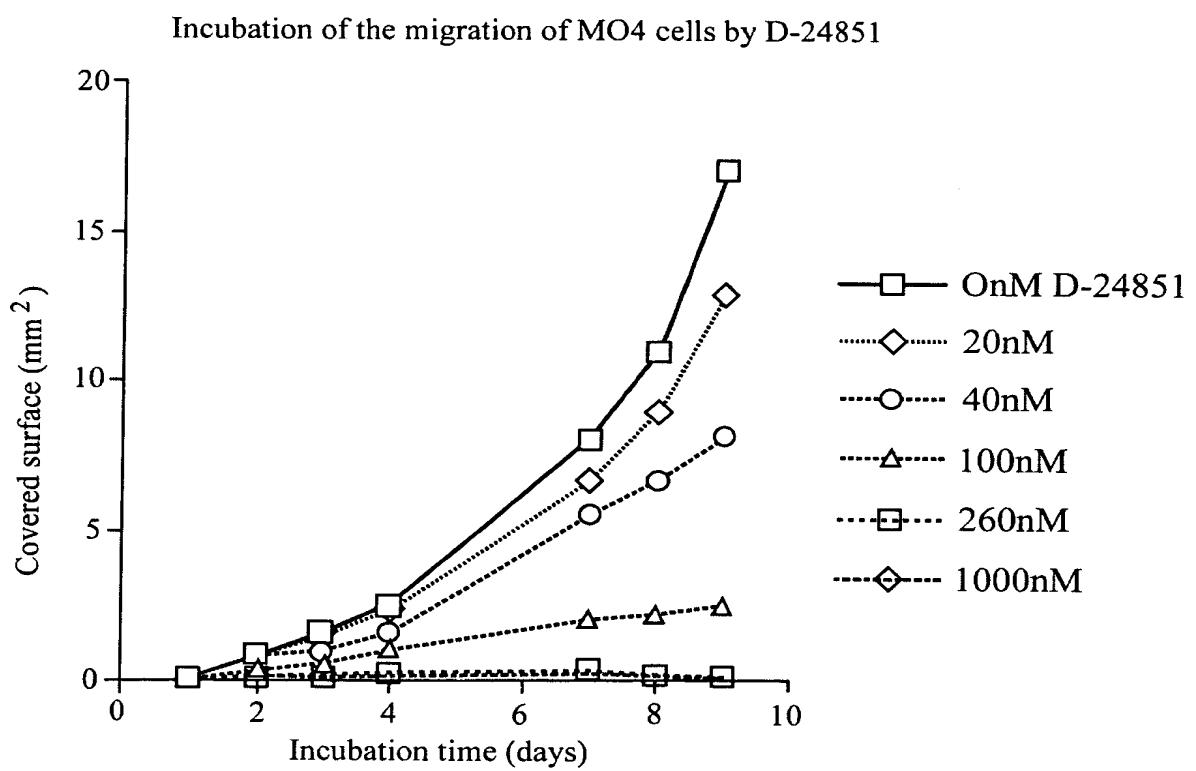


FIG. 5



- D-24851 inhibits the migration of MO4 cells in a dose-dependent manner
From this, an antiinvasive and an antimetastatic action can be derived for D-24851.

Neurotoxicity

	D-24851 10x 20 mg/kg p.o.	Vincristine 10x 0.2 mg/kg i.p.	Taxol 10x 15 mg/kg i.p.
Ataxia (rat)	--	+	++
Traction (rat)	--	+	++
Reaction (rat)	--	++	+++

+ $p \geq 0.05$ vs. control ++ $p \geq 0.01$ vs. control -- = no effect

D-24851 shows no neurotoxicity [sic] in maximally antitumor-active doses in contrast to Taxol and vincristine

FIG. 6

FIG. 7

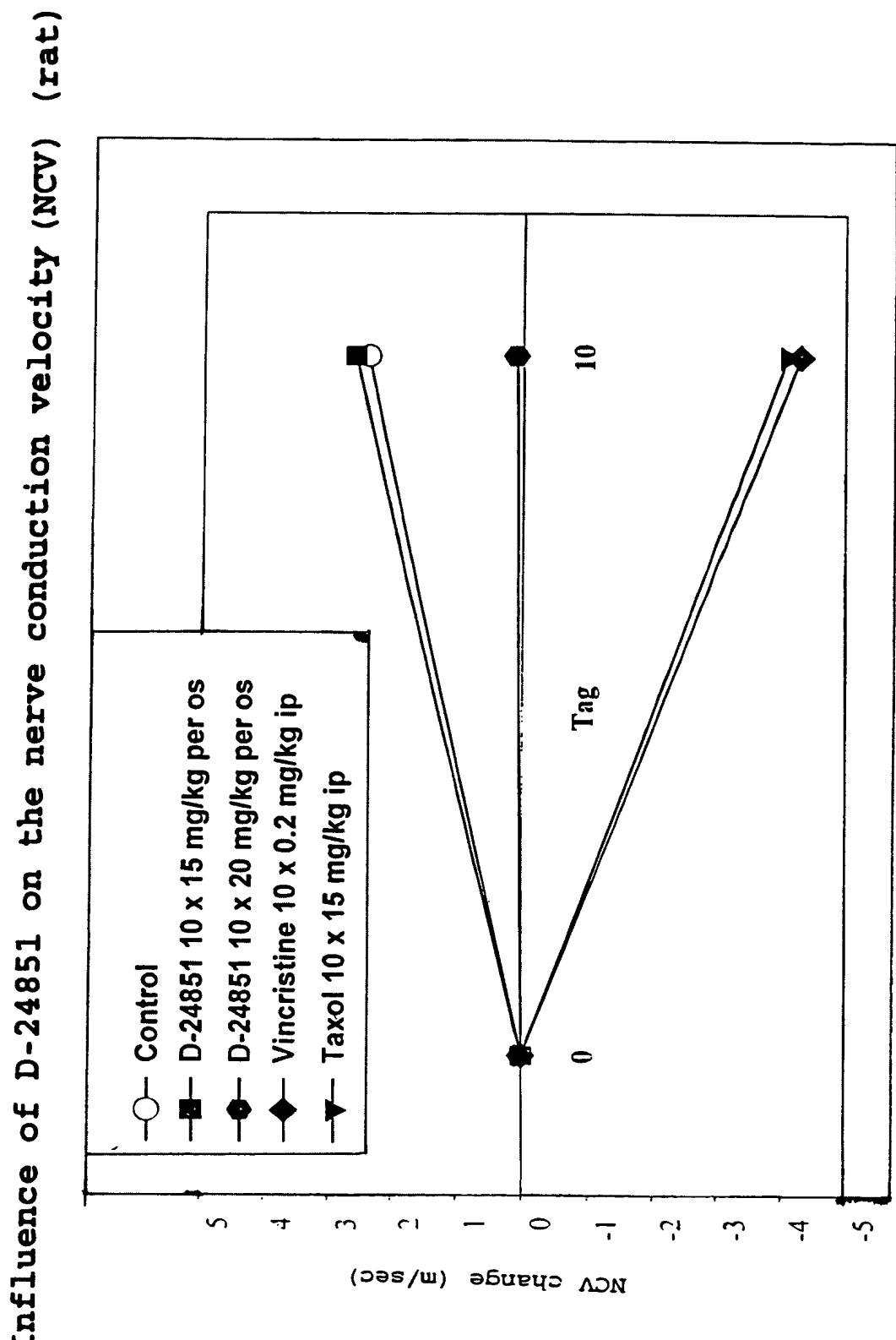
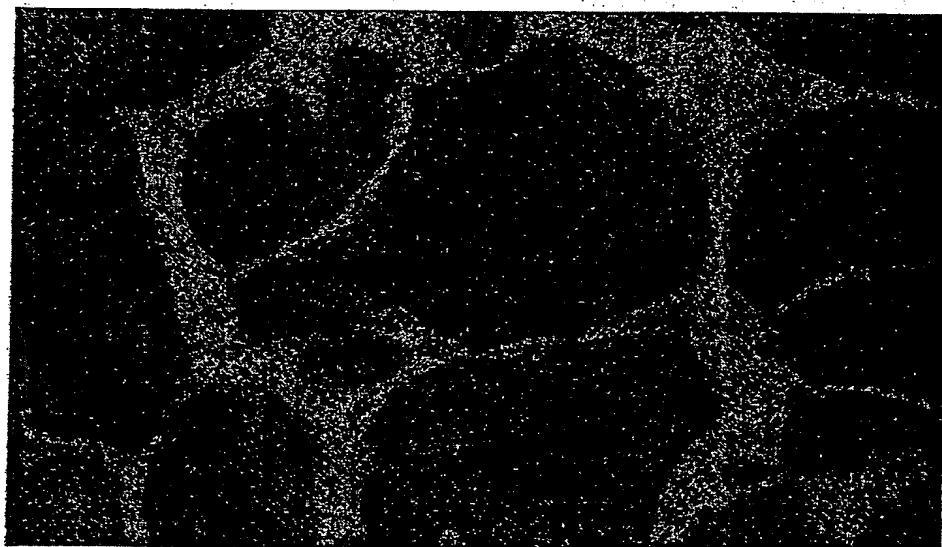


FIG. 8

Angiogenesis in human endothelial cell culture
Vital staining, 44 hours after induction of angiogenesis
DMSO control



0.1 μ M D24851

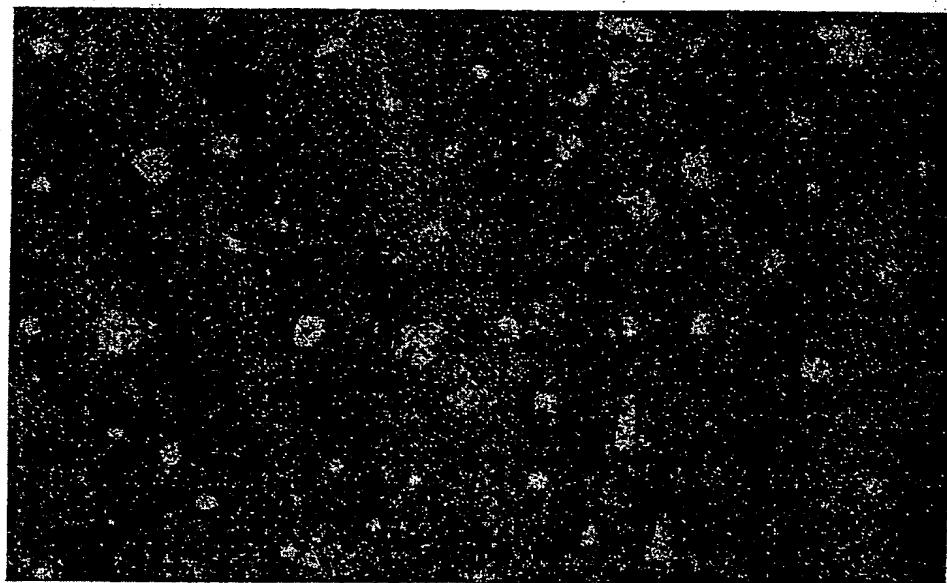
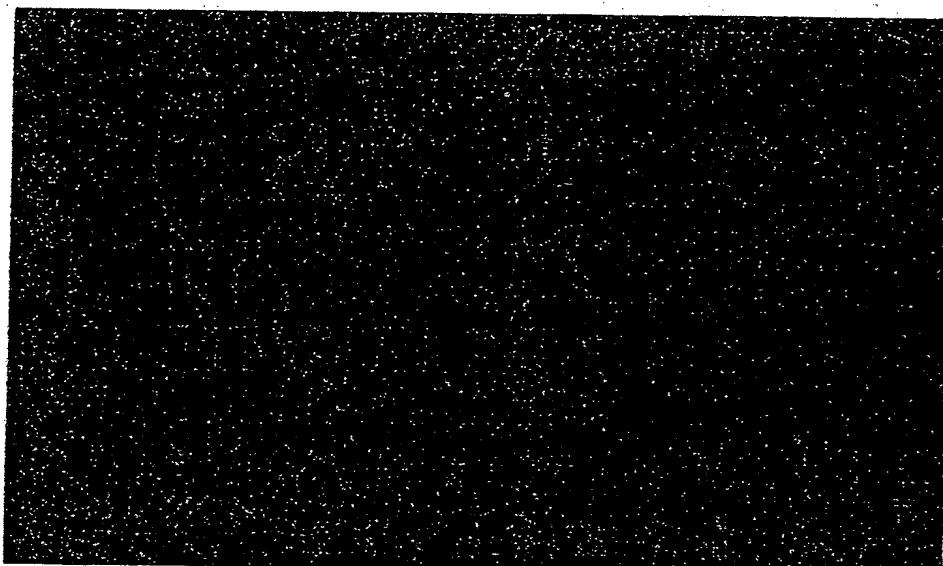


FIG. 9

Angiogenesis in human endothelial cell culture
Lethal staining, 22 hours after induction of angiogenesis
DMSO control



0.1 μ M D24851

